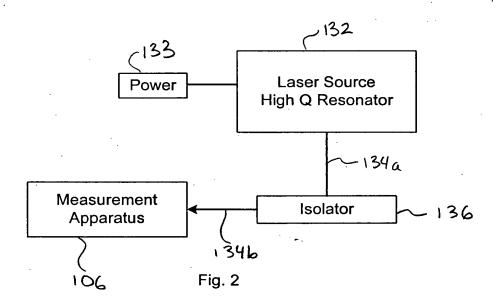
Atty Docket No. 30203/37899
Title: Optical Sensor for Measuring Physical and Material Properties Inventor: Roger Frick Figures 1 and 2 Sheet 1 of 13 105 C 100 102 104 **Laser Source** Power High Q Resonator 103 1080 Measurement Isolator **Apparatus** 108 b 109

Fig. 1

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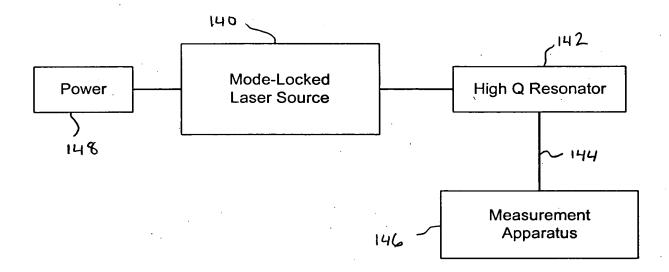


Fig. 3A

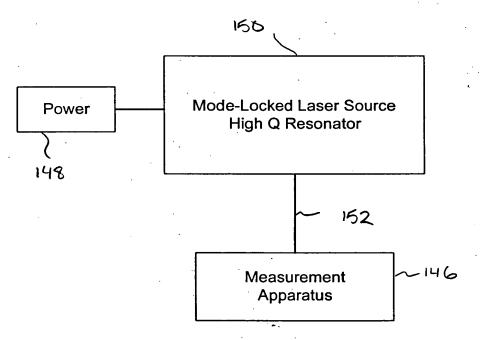


Fig. 3B

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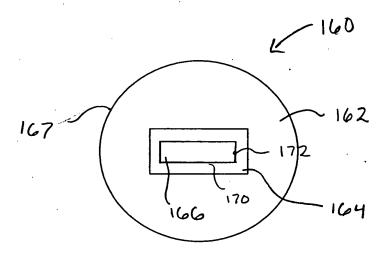


Fig. 4

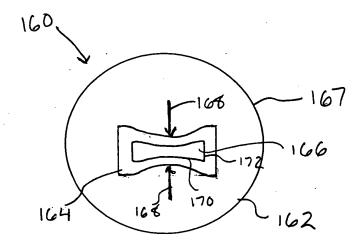
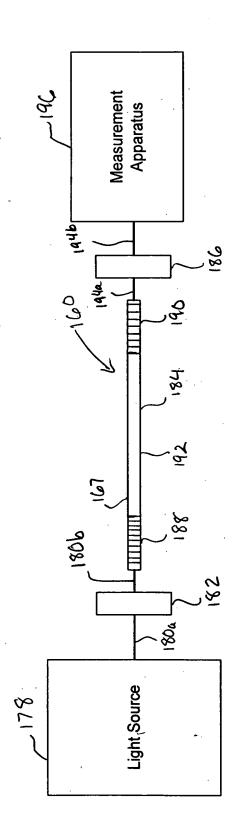


Fig. 5

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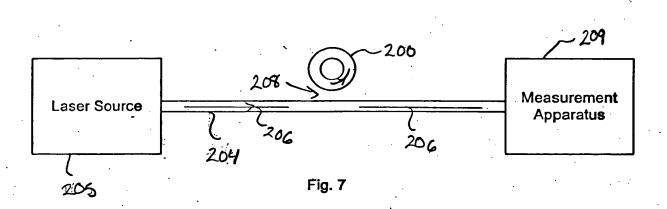
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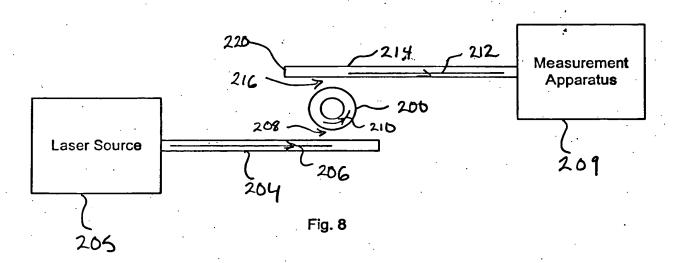
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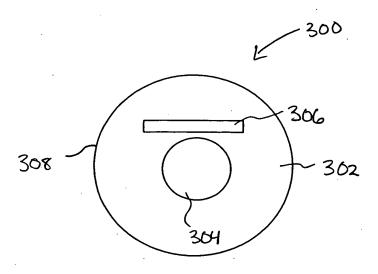
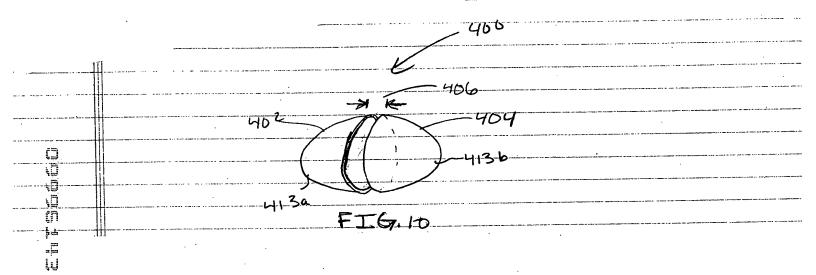


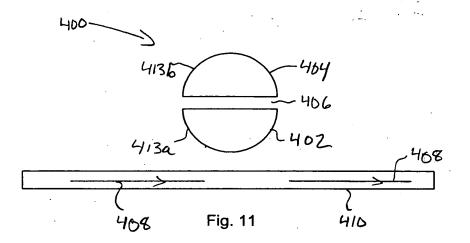
Fig. 9

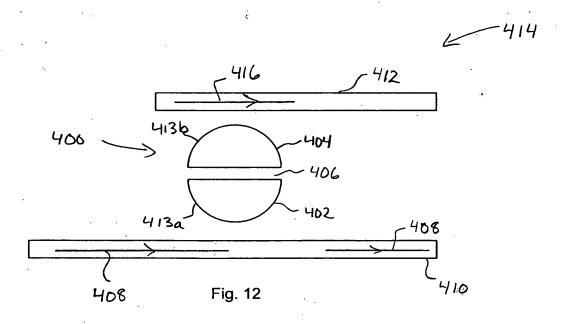
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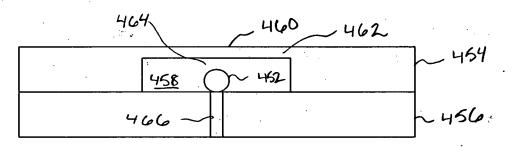
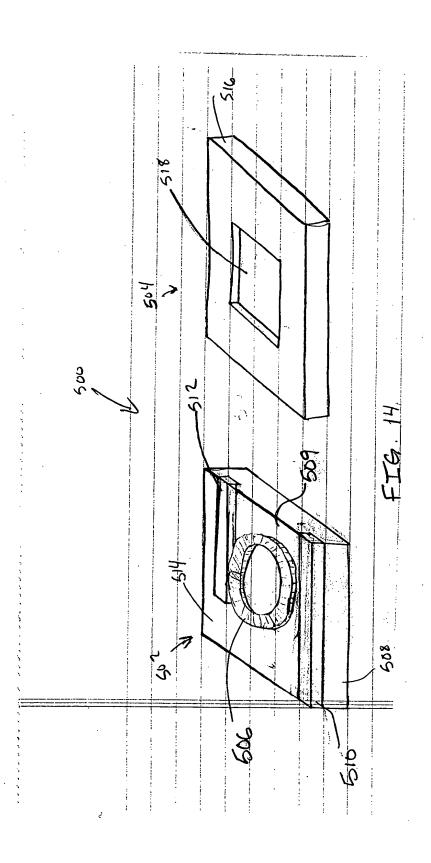
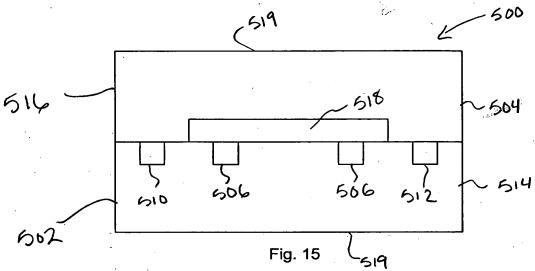


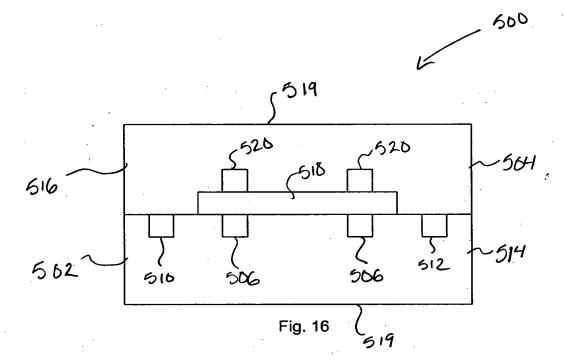
Fig. 13



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Fig. 17



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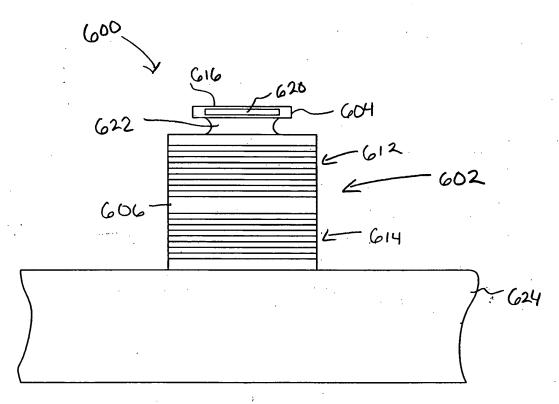


Fig. 18